Date: Fri, 20 Aug 93 04:30:12 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #19
To: Ham-Ant

Ham-Ant Digest Fri, 20 Aug 93 Volume 93 : Issue 19

Today's Topics:

antenna protection
Need information on duplexers
TR 18 rotator?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 19 Aug 1993 20:13:00 GMT
From: newsflash.concordia.ca!vax2.concordia.ca!drobert@uunet.uu.net
Subject: antenna protection
To: ham-ant@ucsd.edu

Hi all, I've just finished building a small 1/4 wave ground plane base antenna to use on the balcony. It's made of 10 gauge copper wire. I would like some suggestions as to how I can keep this thing from oxydizing (I assume it will very quickly!). Can it be painted or lackered over without affecting performance?

Any ideas will be appreciated.
Thanks & 73 de Denis.

|- . , ; * " : ' `  `~ - ,`  *  ` - + / * |
|: 1+514.769.7829 H . ' . ~~ ' . ; ' : `  " '  ` ,|
| 1+514.848.3454 W " * + ' . ~ Space ... ~ ` |
| " cis:71271,2616 ; . , +. , The Final Frontier. *. "|
| `  Drobert@vax2.Concordia.ca +  *  .  ,  ;  " ' ` ~ , . ~ . ,+|

| ~ Drobert@Conu2 * + ` ~. , : * ; ' " . , + * |
|" * , 71271.2616@Compuserve.com + , * *, . + +|
| , : ve2ilf@ve2fkb.#MTL.PQ.CAN.NA ` " , . ' . : |
| . - , `       +,   `- . . * . `-    , .      ++   ` . *+ |

Date: 19 Aug 1993 00:22:33 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!concert!
lester.appstate.edu!usenet@network.ucsd.edu
Subject: Need information on duplexers
To: ham-ant@ucsd.edu

In <24u66lINNime@network.ucsd.edu> brian@nothing.ucsd.edu writes:

> jdwhite@iastate.edu (Jason White) writes:
> > I would like to learn more about duplexers and how to maintain and
> >"configure" them. Any suggestions on where I might look for some good
> >information.
>

I do not know whether it is still in print, but some years ago I got
an excellent book from DB products which explained duplexer theory,
construction and tuning. It went into the differences between the various
types of duplexers.

Try to get one from them.

Marv Hoffman, KD4EGV
Appalachian State University
Boone, NC

Date: 19 Aug 93 12:58:54 CDT
From: equalizer!timbuk.cray.com!walter.cray.com!rps@network.ucsd.edu
Subject: TR 18 rotator?
To: ham-ant@ucsd.edu

Looking for information.

Did CDE ever make a TR 18 rotator?

I picked up the old rotator without a control box, It looks much like a
a hy-gain CD-45. I heard that CDE (the rotator company Hy-gain purchased)
made a TR-20 sometime ago. I'm sure this is a pretty old rotator and most

likely this one is older than the TR-20's. I opened this thing up and it
is in perfect condition. It has 8 wires much like the CD45's and the HAM,
and tailtwiter rotators. The Gears are in perfect shape, and the only
Identification it has is in on the ring gear "TR 18". It's a bell shape
rotator and seems to hold up well, It sat up on a tower for about 20 years.

It doesn't have a huge break on it however (A bump on the bottom, like the
HAM and T2X rotators). I plan on using if to rotate UHF/VHF beams so I
don't think having a small break will be a problem.

Thanks!

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 /_) _ _ Russ Starksen ,,, Fax: (612) 683-3699
 / _/_/_/_)_/_) _ rps@cray.com (.~.) phone: (612) 683-3635
-.. . -. ----- -- .-. .-. -----oOO--(_)--OOo----- N0MRR @ KB0GF.MN.USA.NOAM

Date: 19 Aug 1993 10:27:40 GMT
From: pipex!sunic!news.lth.se!e81gl@uunet.uu.net
To: ham-ant@ucsd.edu

References <crispCBGCy0.8JG@netcom.com>, <24segg$iee@huon.itd.adelaide.edu.au>,
<24shdf$k6e@huon.itd.adelaide.edu.au>
Subject : Re: Wavelength formula

In article <24shdf$k6e@huon.itd.adelaide.edu.au> bvandepe@physics.adelaide.edu.au
(Brenton Vandepeer) writes:
>bvandepe@physics.adelaide.edu.au (Brenton Vandepeer) writes:
>
>>crisp@netcom.com (Richard Crisp) writes:
>
>>>In article <243bkoINNb4@gap.caltech.edu> slr@cco.caltech.edu (Steve L. Rhoades)
writes:
>>>
>>>For those interested in a bit more rigorous treatment:
>
>>>lambda * f = velocity of propagation (speed of light for a radio wave in air or
>>> vacuum)
>
>>>where lambda = wavelength
>>> f = frequency
>
>>>for the approximation that light travels at the speed of 3x10**8 meters/sec
>
>>>lambda * freq = 3x10**8
>
>>>let freq = 300mhz:

>
>>>lambda = (300x10**6 m/sec)/(300x10**6 cycles/sec)
>>> = 1 meter
>
>>Well, if you're going to be rigorous, you should use the correct SI exponent
>>abbreviation for millions of Hz. 300 mHz is some 10^12 times smaller than
>>300 MHz.
>
>Of course, if you're really going to be picky, I 'spose you should get it
>right ... Make that 10^9 Hz smaller. Ooops.
 ^^

Of course, if you're really going to be picky, I 'spose you should get it
right ..

3x10^8 Hz - 10^9 Hz = - 7x10^8 Hz isn't it?

I suggest 10^9 times smaller.

>
>--
>Brenton Vandepeer, Moon jet brave beam split ceiling swerve
>Department of Physics, and light the old Valhalla.
>University of Adelaide. Come join with us please - Valkyrie maidens cry
>bvandepe@physics.adelaide.edu.au above the Cold Wind to Valhalla.

Soory but i just couldn't stay away from my F-button :-)

Goeran Lowe e81gl@efd.lth.se
Lund Institute of Technology

End of Ham-Ant Digest V93 #19
